

1. A method for controlling a device using
a virtual representation of the device comprising:
registering information regarding a
virtual representation of the device at a remote site;
5 generating the virtual representation of
the device on a remote user access device using the
registered information;
transmitting a command to the device
from the remote user access device; and
10 executing the command.

2. The method of claim 1, further
comprising receiving an indication of a desire to
access the device.

3. The method of claim 1, further
15 comprising receiving a request to command the device to
perform a function.

4. The method of claim 1, wherein
registering information regarding the virtual
representation of the device comprises transmitting the
20 information associated with the device from the device
to a remote database.

5. The method of claim 1, wherein the
information regarding the virtual representation of the
device comprises information regarding a parameter, an
25 action, or an indicator.

6. The method of claim 1, wherein the
information regarding the virtual representation of the
device comprises a component, a resource, or a
template.

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7. The method of claim 1, wherein
registering the information regarding the virtual
representation of the device at a remote site is
performed by the device.

5 8. The method of claim 5, wherein
generating the virtual representation further comprises
generating a web page, wherein the web page comprises
at least one action and at least one indicator.

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10 9. The method of claim 8, wherein
generating the virtual representation comprises
dynamically generating the web page based on a set of
criteria.

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12 10. The method of claim 9, wherein the set
of criteria comprises display language, device type, or
15 time of day.

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14 11. The method of claim 6, wherein
generating the virtual representation of the device
comprises:

15 12 20 generating a display component and
displaying the display component using a
template document.

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18 12. The method of claim 11, wherein
generating a display component comprises:

19 25 inserting information regarding a
component into the template document;
generating the display component using
the information inserted into the template.

13. The method of claim 6, wherein generating a virtual representation of the device comprises:

5 generating a display resource and displaying the display resource using a template document.

14. The method of claim 6, further comprising:

10 selecting a template from a plurality of templates associated with the device and selecting a component associated with the selected template.

15. The method of claim 14 wherein selecting the template comprises selecting the template from the 15 plurality of templates based on display language, device type, or time of day.

16. The method of claim 1, wherein transmitting the command to the device further comprises transmitting the command from a remote user 20 access device to a remote database.

17. The method of claim 8, wherein transmitting the command to the device further comprises transmitting the command from the remote database to the device.

25 18. The method of claim 5, further comprising:

generating data indicating that the command has been executed and

generating an indicator on the web page using the data to reflect the state of the device.

19. The method of claim 6, further comprising:

5 generating data indicating that the command has been executed and

updating a component using the generated data to reflect the state of the device.

20. The method of claim 1, wherein executing 10 the command is performed by the device.

21. A system for controlling a device using a virtual representation of the device comprising:

means for registering information regarding a virtual representation of the device at a 15 remote site;

means for generating the virtual representation of the device on a remote user access device using the registered information;

means for transmitting a command to the 20 device from the remote user access device; and

means for executing the command.

22. The system of claim 21, further comprising means for receiving an indication of a desire to access the device.

25 23. The system of claim 21, further comprising means for receiving a request to command the device to perform a function.

24. The system of claim 21, wherein the
means for registering information regarding the virtual
representation of the device comprises means for
transmitting the information associated with the device
5 from the device to a remote database.

25. The system of claim 21, wherein the
information regarding the virtual representation of the
device comprises information regarding a parameter, an
action, or an indicator.

10 26. The system of claim 21, wherein the
information regarding the virtual representation of the
device comprises a component, a resource, or a
template.

15 27. The system of claim 21, wherein the
device comprises the means for registering the
information regarding the virtual representation of the
device at a remote site.

20 28. The system of claim 25, wherein the
means for generating the virtual representation further
comprises means for generating a web page, wherein the
web page comprises at least one action and at least one
indicator.

25 29. The system of claim 28, wherein the
means for generating the virtual representation
comprises means for dynamically generating the web page
based on a set of criteria.

30. The system of claim 29, wherein the set of criteria comprises display language, device type, or time of day.

31. The system of claim 26, wherein the
5 means for generating the virtual representation of the device comprises:

means for generating a display component and

10 means for displaying the display component using a template document.

32. The system of claim 31, wherein the means for generating a display component comprises:

means for inserting information regarding a component into the template document;

15 means for generating the display component using the information inserted into the template.

33. The system of claim 26, wherein the means for generating a virtual representation of the
20 device comprises:

means for generating a display resource and

means for displaying the display resource using a template document.

25 34. The system of claim 26, further comprising:

means for selecting a template from a plurality of templates associated with the device and

30 means for selecting a component associated with the selected template.

35. The system of claim 34 wherein the means for selecting the template comprises means for selecting the template from the plurality of templates based on display language, device type, or time of day.

5 36. The system of claim 21, wherein the means for transmitting the command to the device further comprises means for transmitting the command from a remote user access device to a remote database.

10 37. The system of claim 28, wherein the means for transmitting the command to the device further comprises means for transmitting the command from the remote database to the device.

38. The system of claim 25, further comprising:

15 means for generating data indicating that the command has been executed and means for generating an indicator on the web page using the data to reflect the state of the device.

20 39. The system of claim 26, further comprising:

means for generating data indicating that the command has been executed and means for updating a component using the 25 generated data to reflect the state of the device.

40. The system of claim 21, wherein the device comprises the means for executing the command.

41. A virtual representation of a device comprising:

a processor programmed to:

register information regarding

5 a virtual representation of the device at a remote site;

generate the virtual representation of the device on a remote user access device using the registered

10 information;

transmit a command to the device from the remote user access device; and

execute the command.

15 42. The virtual representation of claim 41, wherein the processor is further programmed to receive an indication of a desire to access the device.

43. The virtual representation of claim 41, wherein the processor is further programmed to receive 20 a request to command the device to perform a function.

44. The virtual representation of claim 41, wherein the processor is further programmed to transmit the information associated with the device from the device to a remote database.

25 45. The virtual representation of claim 41, wherein the information regarding the virtual representation of the device comprises information regarding a parameter, an action, or an indicator.

46. The virtual representation of claim 41, wherein the information regarding the virtual representation of the device comprises a component, a resource, or a template.

5 47. The virtual representation of claim 41, wherein the device comprises a second processor programmed to register the information regarding the virtual representation of the device at a remote site.

10 48. The virtual representation of claim 45, wherein the processor is further programmed to generate a web page, wherein the web page comprises at least one action and at least one indicator.

15 49. The virtual representation of claim 48, wherein the processor is further programmed to dynamically generate the web page based on a set of criteria.

50. The virtual representation of claim 49, wherein the set of criteria comprises display language, device type, or time of day.

20 51. The virtual representation of claim 46, wherein the processor is further programmed to: generate a display component and display the display component using a template document.

25 52. The virtual representation of claim 51, wherein the processor is further programmed to: insert information regarding a component into the template document;

generate the display component using the information inserted into the template.

53. The virtual representation of claim 46, wherein the processor is further programmed to:

5 generate a display resource and
display the display resource using a template document.

54. The virtual representation of claim 46, wherein the processor is further programmed to:

10 select a template from a plurality of templates associated with the device and
select a component associated with the selected template.

55. The virtual representation of claim 54, 15 wherein the processor is further programmed to select the template from the plurality of templates based on display language, device type, or time of day.

56. The virtual representation of claim 41, wherein the processor is further programmed to transmit 20 the command from a remote user access device to a remote database.

57. The method of claim 48, wherein the processor is further programmed to transmit the command from the remote database to the device.

25 58. The virtual representation of claim 45, wherein the processor is further programmed to:
generate data indicating that the command has been executed and

generate an indicator on the web page
using the data to reflect the state of the device.

59. The virtual representation of claim 46,
wherein the processor is further programmed to:

5 generate data indicating that the
command has been executed and

update a component using the generated
data to reflect the state of the device.

60. The virtual representation of claim 41,
10 wherein the device comprises a second processor
programmed to execute the command.

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